

AMENDMENT TO THE CLAIMS

IN THE CLAIMS:

Please amend claims 1, 11, and 14 as follows, and cancel claims 9, 12 and 15. A copy of all pending claims and a status of the claims is provided below.

1. (Currently amended) A system for using eye gaze to control a scroll rate of information presented on a display, comprising:

a display for displaying scrolling information;

means for monitoring a gaze position on said display relative to an anchor position; and

control means for adjusting a speed of said scrolling information if said gaze position deviates from said anchor position and for dynamically adjusting said anchor position to the position of gaze dwell.

A¹

2. (Original) A system for using eye gaze to control the rate of information presented on a display as recited in claim 1 wherein said scrolling information scrolls from a bottom of said display to a top of said display and wherein said control means increases said scroll rate if said gaze position moves below said anchor position and decreases said scroll rate if said gaze position moves above said anchor position.

3. (Original) A system for using eye gaze to control the rate of information presented on a display as recited in claim 2 wherein said control means reverses scroll direction if said gaze position moves near said top of said display.

4. (Original) A system for using eye gaze to control the rate of information presented on a display as recited in claim 1 wherein said scrolling information scrolls from a top of said display to a bottom of said display.

5. (Original) A system for using eye gaze to control the rate of information presented on a display as recited in claim 4 wherein said control means reverses scroll direction if said gaze position moves near said bottom of said display.

6. (Original) A system for using eye gaze to control the rate of information presented on a display as presented in claim 1 wherein said anchor position is horizontal line at the center of said display.

7. (Original) A system for using eye gaze to control the rate of information presented on a display as recited in claim 1 wherein said scrolling information scrolls horizontally from a first side of said display to a second side of said display.

8. (Original) A system for using eye gaze to control the rate of information presented in a display as recited in claim 7 wherein said anchor position is a vertical line at a center of said display.

9. (Cancelled)

10. (Original) A system for using eye gaze to control the rate of information presented in a display as recited in claim 7 wherein said control means reverses scroll direction if said gaze position moves near said second side of said display.

11. (Currently amended) A method for automatically adjusting a scroll rate of information scrolling on a display, comprising the steps of:

defining an initial anchor position near a center line of a display;
scrolling information across said display at a scroll rate with new information appearing at a first side of said display and disappearing at a second side of said display;

tracking a gaze position on said display;

increasing said scroll rate if said gaze position moves from said anchor position toward said first side of said display; [[and]]

decreasing said scroll rate if said gaze position moves from said anchor position toward said second side of said display; and

reversing a direction of the scroll information when said gaze position is along a line near said second side of said display.

12. (Cancelled)

13. (Original) A method for automatically adjusting a scroll rate of information scrolling on a display as recited in claim 11 further comprising the step of:

dynamically adjusting said anchor position in response to gaze dwell.

14. (Currently amended) A computer readable medium comprising software instructions for automatically adjusting a scroll rate of information scrolling on a display, said instructions comprising the steps of:

defining an initial anchor position near a center line of a display;
scrolling information across said display at a scroll rate with new information appearing at a first side of said display and disappearing at a second side of said display;

tracking a gaze position on said display;
increasing said scroll rate if said gaze position moves from said anchor position toward said first side of said display; and

decreasing said scroll rate if said gaze position moves from said anchor position toward said second side of said display; and

reversing a direction of the scroll information when said gaze position is along a line near said second side of said display.

15. (Cancelled)

16. (Original) A computer readable medium comprising software instructions for automatically adjusting a scroll rate of information scrolling on a display as recited in claim 14, said instructions further comprising the steps of:

dynamically adjusting said anchor position in response to gaze dwell.